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WORKSOP BOROUGH COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1939

T. C. GARRETT, M.B., C.M.

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W O R K S O P B O R O U G H C O U N C I L.

ANNUAL REPORT FOR THE YEAR 1939.

Public Health Department
"Park House,
Park Street,
WORKSOP.

To:
The Mayor, Aldermen and Councillors
of the Borough of Worksop.

Gentlemen,

I beg to submit my Report on the health and sanitary conditions of the District for the year 1939; with the Report of the Chief Sanitary Inspector.

I regret the delay in the issue of the Report, due to pressure of work on all members of the Staff, through new duties, imposed in connection with the war, that had to take precedence over ordinary routine.

I have the honour to be,

Your obedient Servant,

T. C. GARRETT.

Medical Officer of Health.

R E P O R T

of the Medical Officer of Health for the year 1939.

GENERAL STATISTICS.

Area in Acres : 17,935
Registrar-General's estimate of resident population mid-1939: 28,230
Population at census 1931 : 26,286.
Number of inhabited houses (end of 1938) according to rate books: 7,7
Rateable Value : £156,057
Sum represented by a penny rate : £601. 8. 11d.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total	Males	Females.	Rate per 1,000 of Population
Live births (Legitimate)	515	261	254	
(Illegitimate)	24	13	11	
	539	274	265.	
				Rate per 1,000 total (live and still) births
Still Births	31	11	20	54.
				Rate per 1,000 of population
Deaths	321	165	156	11.0
				Rate per 1,000 (live and still) births.

Deaths from Puerperal Causes (Headings 29 & 30 of the Registrar General's short list)

No. 29 : Puerperal Sepsis	1	1.75
No. 30 : Other Puerperal Causes	1	1.75

Death rate of Infants under one year of age.

All infants per 1,000 live births ...	53.
Legitimate infants per 1,000 legitimate live births	52.
Illegitimate infants per 1,000 illegitimate live births	83.

Deaths from Cancer (all ages) ...	39.
" " " Measles (all ages) ...	-
" " Whooping Cough (all ages) ...	-
" " Diarrhoea (under 2 years of age)	5.

There was no unusual or excessive mortality during the year, worthy of special note.

POPULATION

The estimated population of the Borough given by the Registrar General for the middle of 1939 was 28,230, giving an increase of 340 on the previous year. The natural increase by Births over Deaths was 218.

BIRTHS

Five hundred and thirty nine live births were registered - 274 males and 265 females, as compared with 441 in 1938. The birth rate for the year was 19.0 per 1,000 population. The rate in the previous year was 15.8. The birth rate for England and Wales for 1939 was 15. Still births in 1939 numbered 31 - 11 males and 20 females, giving a rate of 1.1 per 1,000 population and rate of 54 per 1,000 total (live and still) births. Illegitimate Births numbered 24; rate per 1,000 of population - .85; rate per 1,000 registered births - 44.

DEATHS

The deaths registered during the year, corrected for inward and outward transfers numbered 321 - 165 males and 156 females, as compared with 302 in the previous year. The crude death rate per 1,000 was 11.0 (10.8 in 1938). Using the Areal Comparability Factor for the district (1.14) the corrected death rate for the year was 12.5. The death rate for England and Wales was 12.1

The Table on page 4 gives the causes of all residents deaths in the year. There are no note-worthy increases under any of the headings, as compared with the previous year. There was only one death from notifiable infectious diseases, viz: one from Diphtheria a child aged 4 years.

Deaths among Infants under one year numbered 29 (22 in 1938) and of these 16, or 55 per cent. were due to Premature Birth, Atrophy or Debility etc. The death rate among infants per 1,000 live births was 53 (49 in 1938). The corresponding rate for England and Wales was 50.

Maternal deaths in the year were two - one from Sepsis and one from Post-partum Haemorrhage. Both cases received hospital treatment. The total maternal mortality rate per 1,000 live and still births was 3.5 The rate for England and Wales was 2.82

BOROUGH OF WORKSOP

Causes of Death - 1939

Causes of Death	Males	Females	Total
Influenza	9	7	16
Diphtheria	-	1	1
Tuberculosis of Respiratory System	13	7	20
Other Tuberculosis	2	-	2
Syphilis	1	-	1
General Paralysis of Insane	1	-	1
Cancer	14	25	39
Diabetes	4	3	7
Cerebral Haemorrhage	8	12	20
Heart Disease	34	42	76
Aneurism	2	-	2
Other Circulatory Diseases	7	12	19
Bronchitis	5	-	5
Pneumonia	11	4	15
Other Respiratory Diseases	4	1	5
Peptic Ulcer	2	-	2
Diarrhoea (under 2 years)	1	4	5
" (2 years and over)	-	1	1
Cirrhosis of Liver	-	-	1
Other Liver Diseases	1	2	3
Other Digestive Diseases	2	1	3
Acute and Chronic Nephritis	4	4	8
Puerperal Sepsis	-	1	1
Other Puerperal Diseases	-	1	1
Congenital Debility, Premature Birth etc.	11	10	21
Senility	3	8	11
Suicide	3	2	5
Other Violence	8	2	10
Other Defined Diseases	15	6	21
TOTALS	165	156	321

BOROUGH OF WORKSOP.

Deaths in Infants under 1 year of age during 1939.

	Under 1 week	1 to 2 weeks	2 to 3 weeks	3 to 4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 1 year	Total under 1 year.
Pneumonia									1	1
Bronchitis						1		1	1	3
Congenital Deformity	2			1	3					3
Debility Premature Birth Marasmus	9	1	1	1	12	1				13
Injury at Birth	1				1					1
Convulsions	1				1	1				2
Enteritis						1				1
Tubercular Meningitis										
Other causes		1	1		2	1		2		5
	13	2	2	2	19	5		3	2	29

1939. VITAL STATISTICS

COMPARATIVE RATES.

	Annual Rate per 1,000 of Population.			Death Rate per 1,000 Live Births.		Notifications. Rates per 1,000 population.	
Causes of Death							
England and Wales.	15.0	0.59	12.1	4.6	50	1.89	1.14
126 County Boroughs and Great Towns including London.	14.8	0.59	12.0	6.3	53	1.96	1.21
148 Smaller Towns (population 25,000 - 50,000)	15.6	0.57	11.2	3.0	40	1.78	1.16
London (Administrative County).	12.3	0.44	11.9	8.2	48	1.53	0.98
WORKSOP.	19.0	1.1	11.0	9.0	53	0.6	1.1

MATERNITY AND CHILD WELFARE.

The following is a copy of a return, sent to the Ministry of Health in Februrary, showing the arrangements for Maternity and Child Welfare made by the Council, and giving particulars of the work done during the year 1939.

(1) Population of the area served by the Council: 28,230

(11) Number of Births notified in the area during the year :-
Live Births 513, Still Births 25, Total 538.
Notified by Midwives 490, By Doctors and Parents 48.

(111) Health Visiting
Number of Health Visitors employed at the end of the year: 2.
Number of visits paid during the year by Health Visitors :-

To Expectant Mothers -	First visits -	174.
	Total visits -	285.
To children under 1 yr -	First visits -	550.
	Total visits -	2,566.
To children between 1 and 5 years -	Total visits -	6,270.

(1V) Infant Welfare Centres.
(a) Number of centres provided and maintained by the Council: 1.
(b) Total number of attendances at the centre during the year:-
(1) by children under 1 year of age : 2,381.
(2) by children between 1 and 5 years : 3,558.
(c) Total number of children who first attneded the centre during the year, and who, at the end of the year were -
(1) under 1 year of age - 302.
(2) between ages 1 and 5 - 80.
(d) Total number of children under 5 years who attended at the centre during the year, and who, at the end of the the year were:-
(1) Under 1 year of age : 260.
(2) Over 1 year of age : 529.

Percentage of notified live births, represented by the number in (c) (1) : 59.

(V) Ante-Natal and Post-Natal Clinics provided by the Council: 1.

(a) Totsl number of women who attended at the clinic during the year : 250.
(b) Total number of attendances at the clinic during the year: 28

Percentage of total.notified births (live and still) represented by the total number of women shown under (V) (a): 47

(VI) Supply of Milk and Food.

Terms of Supply.	Milk and Dried Milk Foods.			Other Foods.
	Expectant Mothers	Nursing Mothers	Children under 5.	Children under 5.
Free or at less than cost price in necessitous cases.	Yes.	Yes.	Yes.	Cod Liver Oil Cod Liver Oil & Malt. Virol Glucose Vitamin Preps
At cost price in other cases, e.g. sale of Dried Milk at Centre.	Yes.	Yes.	Yes.	

Total quantity of milk supplied during the year to expectant and nursing mothers and young children:-

		(1938)	Sold.
Liquid Milk :-	332½ gallons	(618)	
Dried Milk :-	1,866 lbs.	(2,231)	4,171 lbs.

Clinics :

Child Welfare : Two sessions weekly on Monday and Wednesday, 2 - 4.30. The Welfare nurses are in attendance at the Centre ever morning 9 - 10 a.m. for the treatment of minor ailments.

Dental Treatment.: During the year 23 children under 5 years receiv free dental treatment at five sessions.

Tonsils and Adenoids : The arrangements with the Victoria Hospital still in operation. Children of pre-school age, referred from the Clinic for operation, are admitted at a fee of £1.11.6., Cases : 2.

Ophthalmia : Notified cases are visited by our Health Visitors, who continue treatment, either at their own homes or at the Clinic. Number of cases treated in the year : 4. Other cases of eye diseas requiring special treatment, are referred, by arrangement to the Specialist at the Victoria Hospital.

Orthopoedic Treatment : Children in the district requiring special treatment are admitted to Harlow Wood Hospital, and if recommended by the Committee, maintenance charges are paid. Children sufferin from minor deformities can be referred to the clinic of the Nottingh hamshire Cripples Guild, held in the Welfare Centre, and receive treatment under the Visiting Surgeon and Nurses.

Number of cases treated in the year: 5.
Supporting apparatus supplied by the Council: 4.
The Council contributes £35 a year to the Guild.

Child Life Protection

Number of persons who were receiving children for reward: 3.
" " children at the end of the year : 3.
" " " who died at the end of the year : 0.
" " child Protection Visitors who were Health Visitors : 1.

Ante-Natal Clinic : One session weekly - Thursday 2 - 4 p.m.

Consultant Clinic : One session monthly, or as circumstances require. Arrangements have now been made for post-natal cases referred by Medical Men or Midwives, to be seen by the Consultant on his clinic days. Midwives are encouraged to accompany their cases to the Clinic, and it is pleasing to record helpful co-operation and interest taken by all the Midwives in the work of the Clinic. Structural alterations are now being carried out at the Centre, which will provide more accommodation for Expectant Mothers, and for Child Welfare work, and provide space for stores and clerical staff records.

Hospital Accommodation: Complicated cases and cases where home conditions are unsuitable are admitted by arrangement, to the Victoria Hospital and County Hospital at a charge of £3..3. 0d. a week for maintenance, which is paid by the Council and recovered from the Patients according to their means. Number of cases treated in Victoria Hosp: 24. in County Hospital: 10, in other hospitals: 1.

Dental Treatment : Expectant mothers, recommended by the Medical Officer secure dental treatment under arrangement made with local Dentists, who are paid on the scale in operation under the National Health Insurance Act. A full estimate of the cost of treatment, with the necessary dentures, is submitted, and all patients are asked to contribute part, or whole of the cost, according to their circumstances.

Number of Patients treated : 16.
" " Dentures supplied : 8.

Maternity Outfits are provided for Mothers, and are sold at cost price or given free, or at less than cost, in necessitous cases.

Number of Outfits sold: 1.
Number of Outfits given free: 5.

Home Helps : A scheme has been sanctioned by the Committee. The service is under the direction of the Health Visitors.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Laboratory Facilities :	No Change.
Ambulance :	
Nursing in the home :	
Treatment Centres :	See Report - 1934.
Hospitals :	

SANITARY CIRCUMSTANCES OF THE AREA.

W A T E R.

The water supply from the Council's Well at Sunnyside continues to give an ample quantity for all requirements inthe area of piped supply, and the quantity continues uniformly good, as indicated by the analyses, chemical and bacteriological, given below.

A scheme for softening the whole of the public water supply from the Sunnyside pumping station, has been sanctioned by the Ministry of Health. The Water Softening plant has been installed in the the new plant house at Sunnyside, and in normal circumstances, softening would now have been in progress. New mains have been laid at Sunnyside Water Pumping Station to allow of direct pumping into the public mains in the event of damage to the reservoirs.

The following extensions were made in the year :-

2 inch mains	3 yards.
3 " "	356 yards.
4 " "	342 yards.
6 " "	306 yards.
New Hydrants	18.

The average monthly supply within the Borough was 22,443,604 gallon
" " " " to Worksop Rural District was 3,320,583 g
" " " " " Kiveton Park R.D. was 12,937 gallons

Copy of recent Certificate of Analysis, Worksop Town Supply:-

(1) Chemical Analysis

THE ROYAL INSTITUTE OF PUBLIC HEALTH & HYGIENE

Report from the Chemical Laboratories

CERTIFICATE OF ANALYSIS OF A SAMPLE OF WATER.

Name of Sender: Borough of Worksop, Town Hall, Worksop.
Date received : March 30th, 1940.
Particulars on label: No. 4 South Avenue, Direct from Main. Well 160 ft. No. 2.

PHYSICAL CHARACTERS:

Reaction : Alkaline.
Color in 2 ft. stratum: Clear Pale Blue
Suspended Matters: Nil.

CHEMICAL CHARACTERS:	Parts per 100,000.	Grains per Gall.
Total Solids dried at 100 C.....	29.0	34.3
Loss on ignition (after re-carbonating)	12.5	8.76
Clorine in Clorides	9.1	6.37
Clorine x 1.647 = Sodium Chloride	14.98	10.84
Nitrites.....	Nil.	
Nitrogen as Nitrates.....	0.48	0.33
Saline Ammonia.....	Nil.	
Albuminoid Ammonia.....	0.0034	0.0024
Oxygen absorbed in 3 hrs. at 37 C	0.003	0.0021
Hardness - Total (Soap Test).....	24.0	16.8
Hardness - Temporary.....	4.0	2.8
Hardness - Permanent.....	20.0.	14.0
Poisonous Metals - Lead.....)	Nil.	
Poisonous Metals - Copper.....)		

REMARKS.

From a consideration of the above data, no exception can be taken to the use of this water for domestic purposes, upon chemical grounds.

ALAN W. STEWART, D.Sc., A.I.C.
Director, Chemical Laboratories.

(11) Bacteriological Analysis

THE ROYAL INSITUTE OF PUBLIC HEALTH & HYGIENE.

Report from the Bacteriological Laboratories.

EXAMINATION OF A SAMPLE OF WATER.

Name of Sender: The Borough Engineer & Waterworks Manager, BOROUGH OF WORKSOP.

Date received: 30th March, 1940.

Particulars on Label : No. 4 South Avenue. Direct from Main. Public Supply. Old Well 160 ft.

The sample was packed in Ice.

QUANTITATIVE ENUMERATION OF BACTERIA.

On Agar Plates, kept for two days at 37°C. 1 colony per ml. developed
On Agar Plates, kept for four days at 20°C. - 22°C. 24 colonies per 1. ml. developed.

EXAMINATION FOR SPECIAL BACTERIA.

Coliform bacilli..... absent in 100 ml.
Streptococci..... absent in 100 ml.
B. Enteritidis Sporogenes..... absent in 100 ml.

RESULT OF EXAMINATION.

From a consideration of the data, no exception can be taken to the use of this water for domestic purposes, upon bacteriological grounds.

E. GOODWIN RAWLINSON, M.D., D.P.H.

Director Bacteriolgical Dept.

DRAINAGE AND SEWERAGE.

The following extensions have been made during the year:-

	Surface Water.	Foul Water.
6 inch sewers	40 yds.	
9 " "	1557 "	2022 yards.
18 " "	80 "	
21 " "	160 "	
24 " "	317 "	
33 " "	285 "	
36 " "	552 "	

PUBLIC BATHS.

Despite the abnormal number of bathers during the season, the filtration and chlorination plant was successful in maintaining the purity of the water, which is obtained from the public water mains.

CLOSET ACCOMMODATION

Particulars of this work will be found in the Sanitary Inspector Report on page , with details of the work carried out by the public Cleansing Department, and under the Housing Acts.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply:

Number of Cowsheds in the District..... 40
" " Registered Milk Producers..... 28
" " Registered Retail Purveyors... 94

Samples of Milk Examined:

By Methylene Blue Test: 21 - satisfactory 15.
- unsatisfactory 6.

For Bacterial Content - satisfactory 5.
- unsatisfactory 1.

For Tubercle Bacilli (Pasteurised Milk): 4.
- negative 4.

Meat and other Foods.

The following premises where food is prepared were inspected :-

Bake Houses.
Ice Cream Making.
Fried Fish Shops.
Tripe Boiling.

Inspections of retail meat shops and market stalls, together with details of the amount of material condemned, will be found in the Sanitary Inspector's Report.

NOTIFICATION OF TUBERCULOSIS.

Pulmonary - Males 15, Females 15, Total 30.
Non-Pulmonary - Males 7, Females 3, Total 10.

TUBERCULOSIS 1939
New cases and Deaths.

Age Periods.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	-	-	-	-	-	-	-	-
1 ...	-	-	1	-	-	-	1	-
5 ...	1	2	5	1	-	-	-	-
15 ...	3	7	1	-	4	3	-	-
25 ...	3	2	-	1	2	1	-	-
35 ...	2	3	-	-	2	1	-	-
45 ...	3	-	-	1	2	1	-	-
55 ...	1	1	-	-	2	1	-	-
65 and over	2	-	-	-	1	-	-	-

Number of cases on Register at the end of the Year.

	Males.	Females.	Total.
Pulmonary	80	71	151.
Non-Pulmonary...	41	47	88.

Cases removed from the Register in the year.

Pulmonary - 23. Non-Pulmonary - 8.

Public Health (Prevention of Tuberculosis) Regulations 1925.

No action was taken or required under these regulations.

Notifiable Diseases 1939.

(Other than Tuberculosis.)

There was no serious outbreak of Infectious Disease in the year.
Total number of cases notified - 119. (see table).
There was one death from Diphtheria.
Diphtheria Antitoxin is provided by the Council for free use by Practitioners in the district. 312,000 units were used in the year.

NOtifiable Diseases 1939.

(other than Tuberculosis.)

	Total cases notified.	Cases admitted to Hospital.	Deaths.
Scarlet Fever..	20	20.	
Diphtheria	32	32.	
Puerperal Pyrexia	5	5.	
Pneumonia	31	31.	
Erysipelas	6	4.	
Acute Poliomyelitis.	1	1.	
Whooping Cough.	4.	-.	
	119.	93.	